

## Figure 1

5 Data from Affymetrix human U133 arrays show that IKK $\alpha$ \_3 siRNA (compared to the IKK $\alpha$ \_3\_inverted control siRNA oligos) specifically inhibited the mRNA expression of IKK $\alpha$  but had no effect on IKK $\beta$  mRNA expression.

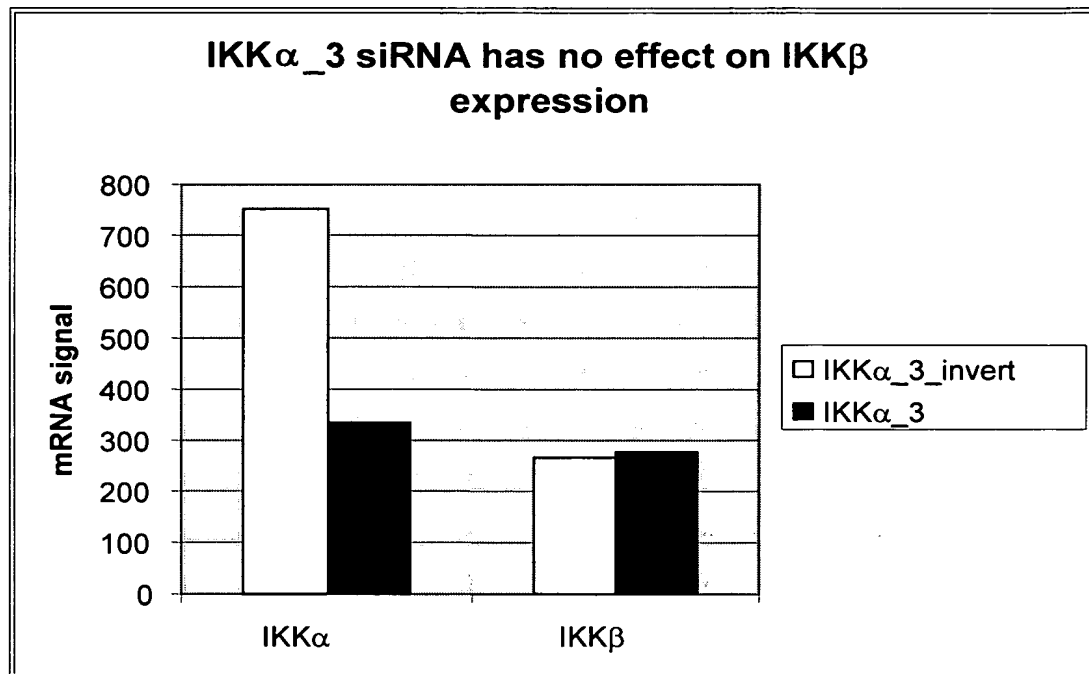


Figure 2

5 SiRNA of IKK $\alpha$  inhibits IKK $\alpha$ , IL-6 and IL-8 expression in HeLa cells. HeLa cells were transfected with IKK $\alpha$ \_3 siRNA or IKK $\alpha$ \_3ivt (sequence inverted control oligos of IKK $\alpha$ \_3), then induced with or without TNF $\alpha$ . IKK $\alpha$ , IL-6 and IL-8 mRNA copy numbers were determined by TaqMan.

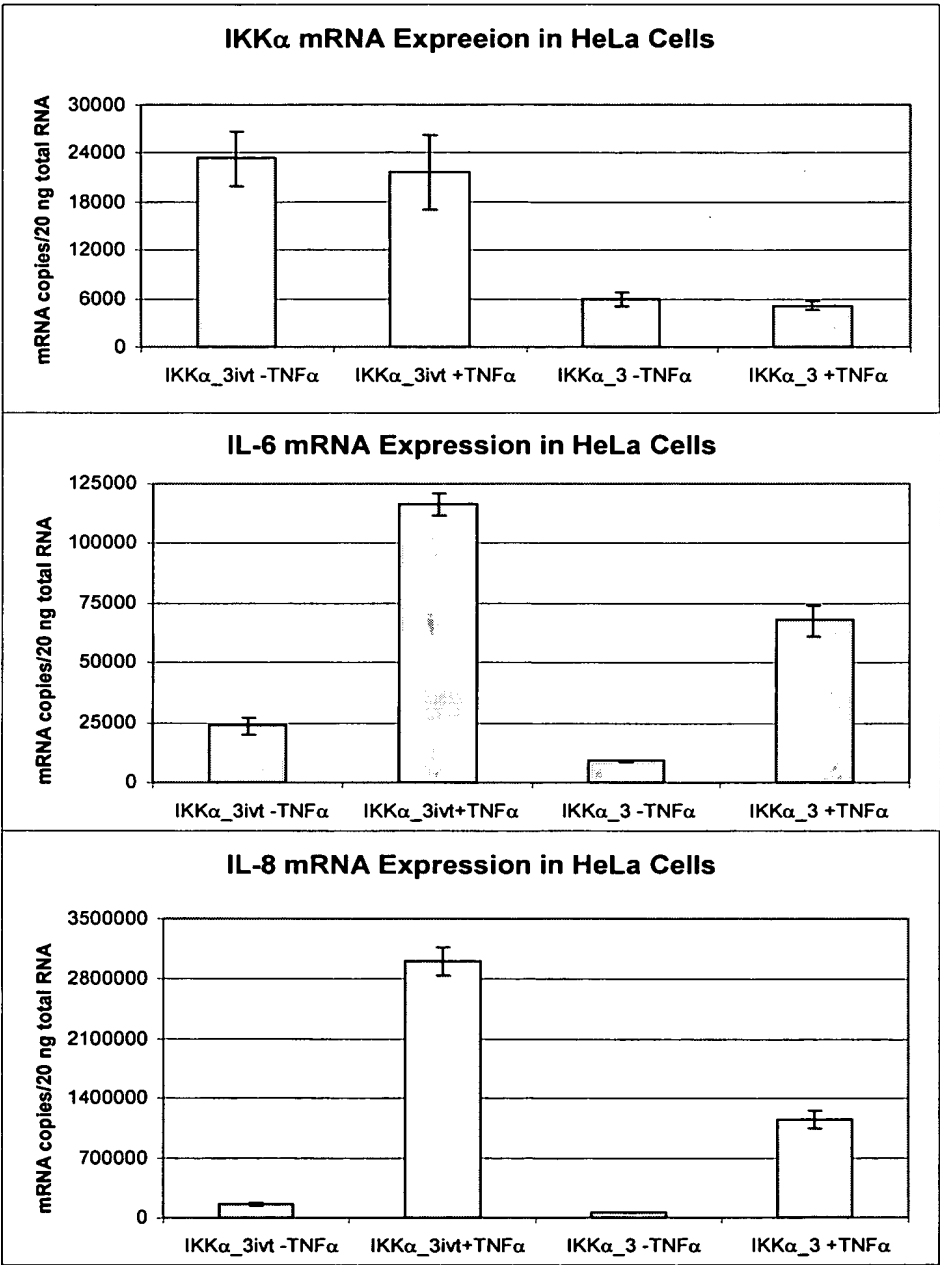


Figure 3

IKK $\alpha$ \_3 siRNA inhibited TNF $\alpha$ -induced NF- $\kappa$ B activity in HeLa cells. HeLa cells (stably transfected with NF- $\kappa$ B-Luciferase reporter) were transfected with siRNAs for 2 days. Cells were then stimulated with TNF $\alpha$  (10 ng/ml) for 24 hr and the luciferase activity was measured. IKK $\alpha$ \_3 siRNA inhibited NF- $\kappa$ B-depenent luciferase activity in respond to TNF $\alpha$ .

